

POLYLACTIC ACID POLYMER COMPOSITION AND ITS MOLDED ITEM

Publication number: JP9272790
Publication date: 1997-10-21
Inventor: MATSUI MASAO; KANAMORI KENJI
Applicant: SHIMADZU CORP
Classification:
- International: *D01F6/62; B65D1/00; B65D1/09; B65D65/02; C08L5/00; C08L67/00; C08L10/16; D01F6/62; B65D1/00; B65D1/09; B65D65/02; C08JS/00; C08L67/00; C08L101/00; (IPC1-7): C08L67/00; B65D1/09; B65D65/02; C08S5/00; D01F6/62*
- European:
Application number: JP19960083751 19960405
Priority number(s): JP19960083751 19960405

[View INPADOC patent family](#)

[View list of citing documents](#)

[Report a data error here](#)

Abstract of **JP9272790**

PROBLEM TO BE SOLVED: To solve the problems that polylactic acid, when rapidly cooled in, e.g. injection molding, becomes amorphous and gives a molded item which is distorted by its own wt. at temps. between the glass transition point (about 60 deg C) and the crystallization temp. (about 100 deg C) and has a poor resistance to heat distortion and that polylactic acid has a high melt viscosity and hence its production or processing is difficult. **SOLUTION:** This polymer compsn. is a mixture comprising 97-40wt.% crystalline polyester polymer obtid. by the copolymerization of lactic acid as the main monomer and 1-30wt.% at least one comonomer selected from among X aliph. polyethers, maliph. polyacetones, aliph. lactones aliph. polycarbonates, and their oligomers and 3-60wt.% polyester block copolymer comprising 97-50wt.% crystalline polyester segments formed from an aliph. dicarboxylic acid and a linear diol and 3-50wt.% polylactic acid segments.

Data supplied from the *esp@cenet* database - Worldwide